

## Various Coupon Designs

Fig 1(a). Rectangular disbondment with a holiday defect at one end

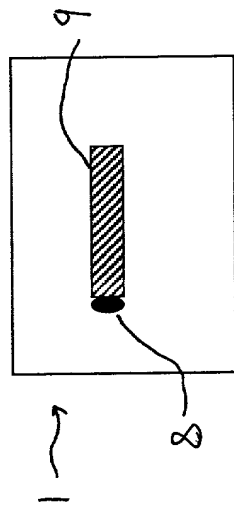


Fig. 1(b). A circular disbondment with a small gap and a crack in the middle

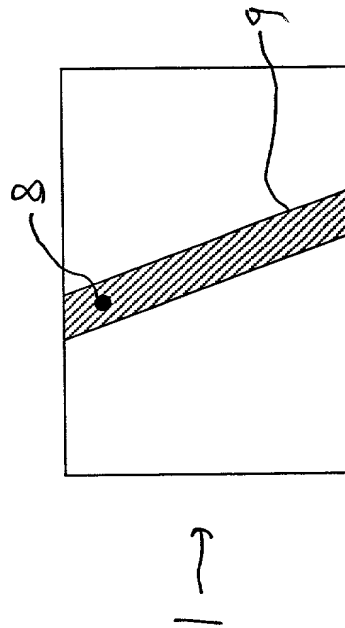
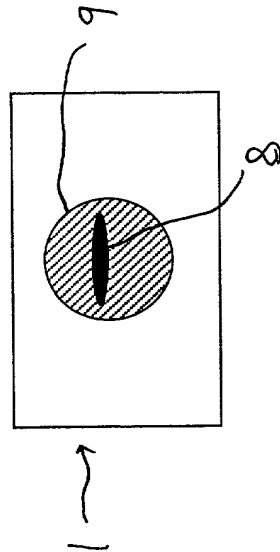


Fig 1©. Disbondment along overlap of a spirally wound tape coating and a holiday at one section

Figure 1 is a perspective view of a cylindrical container 1. The container features a top flange 6, a shoulder 3, a side wall 4, and a bottom flange 5. A rectangular opening 2 is formed in the side wall 4, with its top edge being solid and its bottom edge being dashed to indicate it is behind the wall. A reference numeral 1 with a wavy arrow points to the overall container structure.

Fig. 2

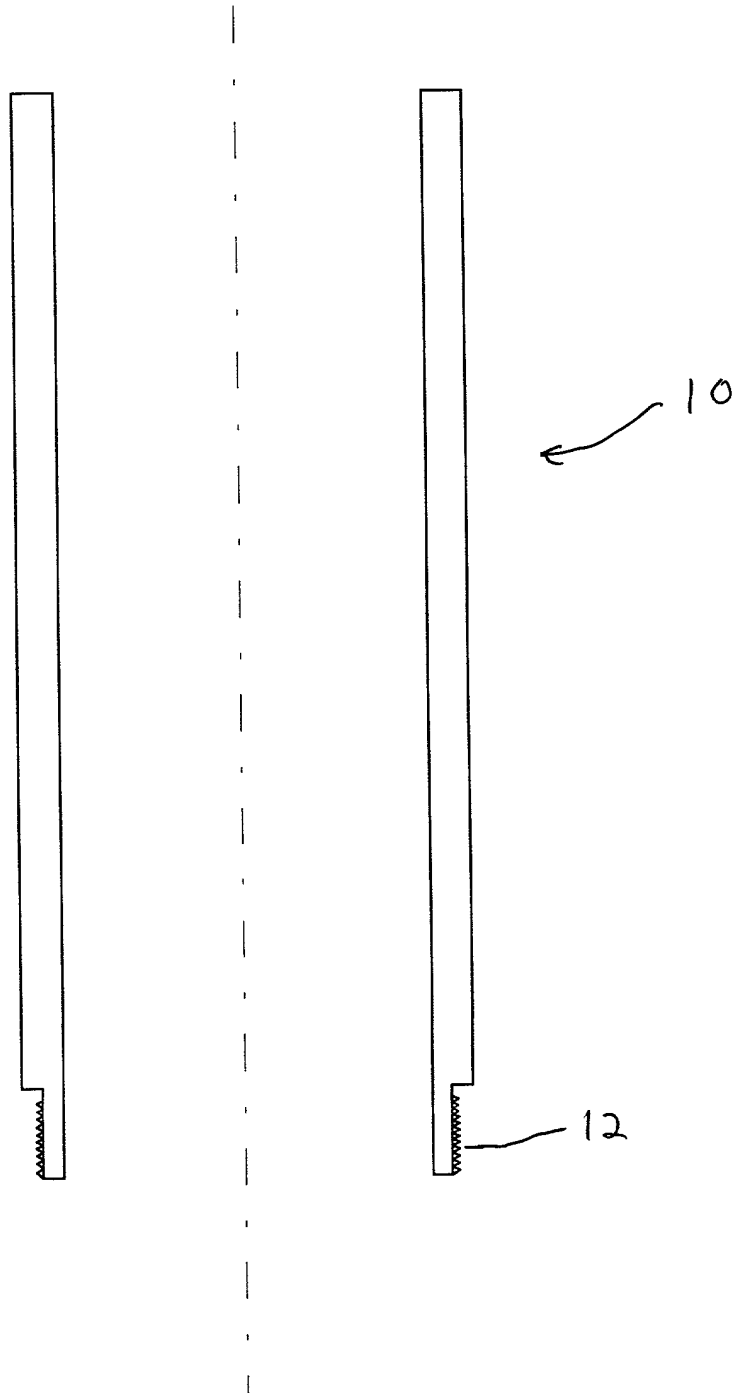


Fig. 3

Technical drawing of a tapered channel (2) showing dimensions and features:

- Channel dimensions: 0.375" wide, 0.120" deep max, 0.040" deep min, 3.00" long.
- Central slot dimensions: 0.250" wide, 0.750" deep, 0.500" deep, 1.000" deep, 0.250" deep, 0.100" dia.
- Slot width: 0.094" (indicated by dashed lines).
- Slot depth: 0.250" (indicated by a dashed line).
- Channel width: 0.100" dia (indicated by a dashed line).
- Channel length: 3.00" (indicated by a dimension line).
- Channel features: 20, 22 (indicated by dimension lines).



Fig. 4b

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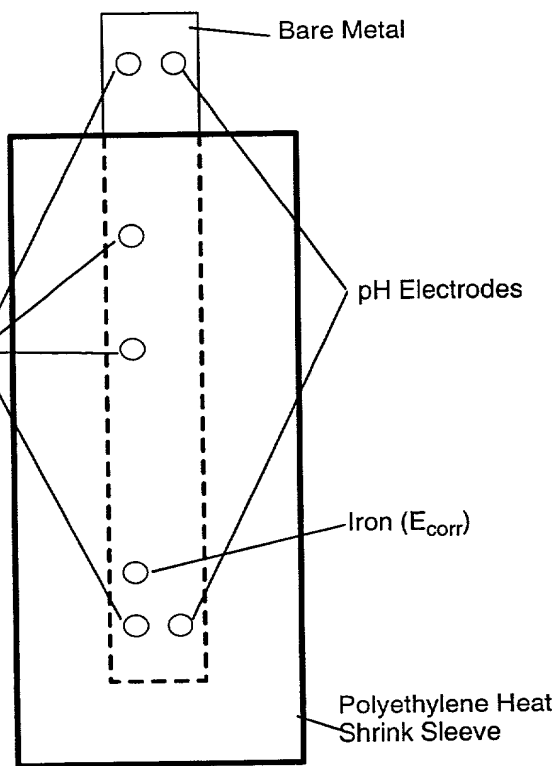


Fig. 5a

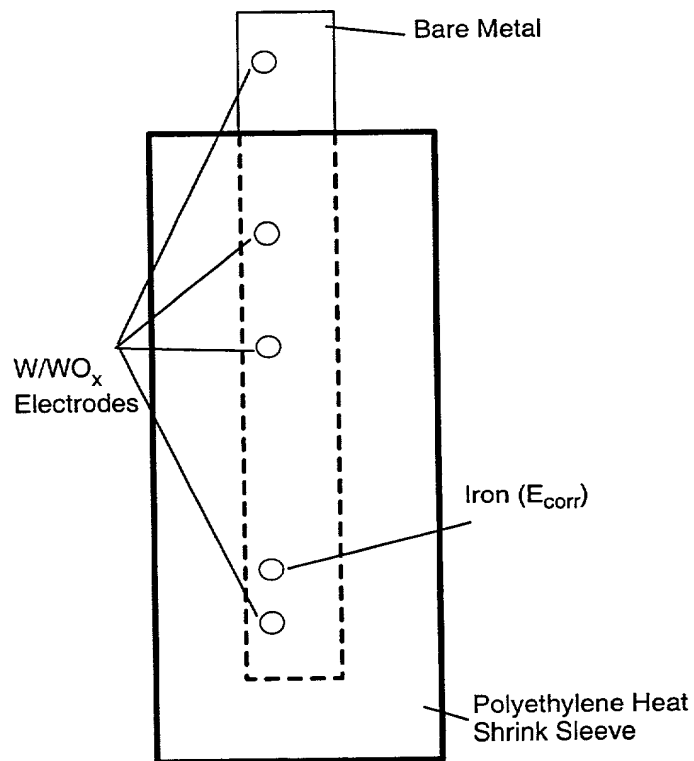


Fig. 5b

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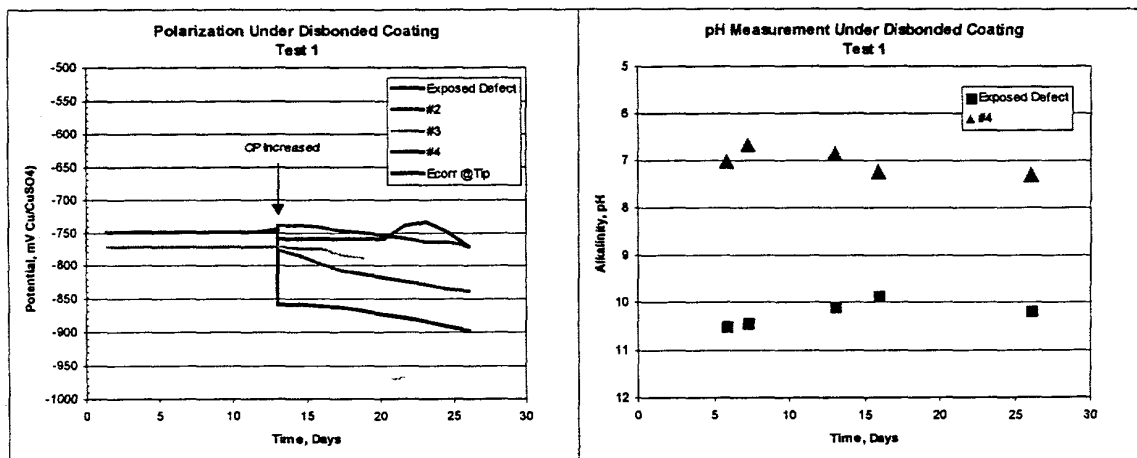
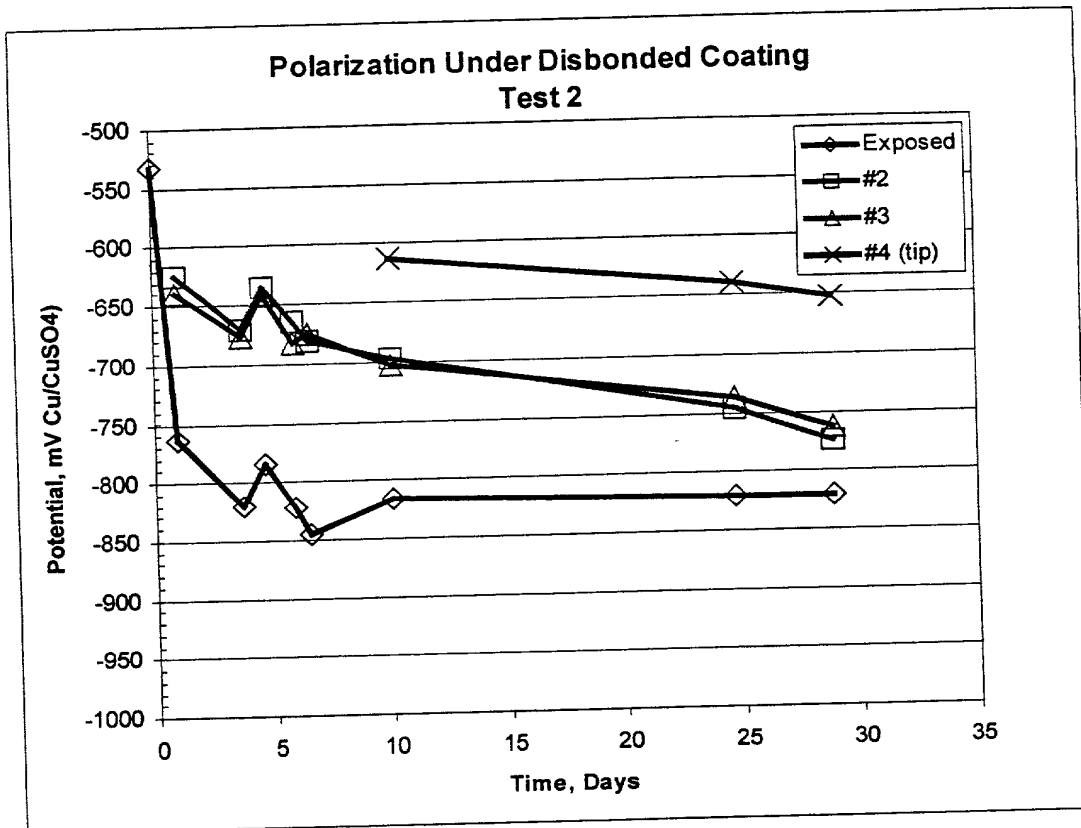


Figure 6. Test 1 polarization and pH data collected under a coating disbondment and adjacent exposed defect.

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**Figure 7. Test 2 polarization data collected at an exposed defect and under an adjacent coating disbondment.**